

## ABSTRACT OF THE DISCLOSURE

There is disclosed a solar cell element which comprises a semiconductor substrate 1; an antireflective film 3 formed on a light-receiving surface of the semiconductor substrate 1; a surface electrode 5 formed on the light-receiving surface of the semiconductor substrate 1; a back surface electrode 6 formed on a non-light receiving surface of the semiconductor substrate; a first solder layer 8 covering the surface electrode 5; and a second solder layer 9 covering the back surface electrode 6. Two or more elements selected from a plurality of elements included in the surface electrode 5 and two or more elements selected from a plurality of elements included in the first solder layer 8 are each identical to one another, which are, for example, Ag and Ti or P. The adhesion strength between the electrode and solder can be enhanced by this arrangement.